

Environmental Protection Agency

§ 61.358

**§ 61.358 Delegation of authority.**

(a) In delegating implementation and enforcement authority to a State under section 112(d) of the Clean Air Act, the authorities contained in paragraph (b) of this section shall be re-

tained by the Administrator and not transferred to a State.

(b) Alternative means of emission limitation under § 61.353 of this subpart will not be delegated to States.

**§ 61.359 [Reserved]**

## APPENDIX A

National Emission Standards for Hazardous Air Pollutants  
Compliance Status InformationI. SOURCE REPORT

INSTRUCTIONS: Owners or operators of sources of hazardous pollutants subject to the National Emission Standards for Hazardous Air Pollutants are required to submit the information contained in Section I to the appropriate U.S. Environmental Protection Agency Regional Office prior to 90 days after the effective date of any standards or amendments which require the submission of such information.

A list of regional offices is provided in §61.04. \_\_\_\_\_

A. SOURCE INFORMATION1. Identification/Location - Indicate the name and address of each source.

1	2	3	4	5	8	9	13	0	0	0	0	0	1
Region		State		County		Source Number			14		16		17
20	22	23	26										
AQCR #		City Code		27 Source Name 46									
47 Street Address (Location of Plant) 66 80													
Dup 1-18		19		20 City Name 34 State 35 39									
40 State Regis. Number 54 55 58													
NEDS X Ref.													
59 SIC		62	FF	8	77		79						
			64	A/P	Staff		80						
Dup 1-18		5	CS	SIP	EC	80							
		19	30	31	49								

2. Contact - Indicate the name and telephone number of the owner or operator or other responsible official whom EPA may contact concerning this report.

- Dup 1-18 <sup>4 1</sup>  
19 20 21 \_\_\_\_\_ Name \_\_\_\_\_ 43
- <sup>44 46</sup>  
Area Code 47 Number 54 80
9. **Source Description** - Briefly state the nature of the source (e.g., "Chlor-alkali Plant" or "Machine Shop").
- Dup 1-18 <sup>4 2</sup>  
19 20 21 \_\_\_\_\_ Description \_\_\_\_\_ 50
- 51 \_\_\_\_\_ Continued \_\_\_\_\_ 79 80
4. **Alternative Mailing Address** - Indicate an alternative mailing address if correspondence is to be directed to a location different than that specified above.
- Dup 1-18 <sup>4 3</sup>  
19 20 21 \_\_\_\_\_ Number Street or Box Number \_\_\_\_\_ 45 80
- Dup 1-18 <sup>4 4</sup>  
19 20 21 \_\_\_\_\_ City \_\_\_\_\_ 35 <sup>37 38</sup> State 41 Zip 44 80
5. **Compliance Status** - The emissions from this source \_\_\_\_\_ can \_\_\_\_\_ cannot meet the emission limitations contained in the National Emission Standards on or prior to 90 days after the effective date of any standards or amendments which require the submission of such information.

Signature of Owner, Operator or Other Responsible Official

**NOTE:** If the emissions from the source will exceed those limits set by the National Emission Standards for Hazardous Air Pollutants, the source will be in violation and subject to Federal enforcement actions unless granted a waiver of compliance by the Administrator of the U.S. Environmental Protection Agency. The information needed for such waivers is listed in Section II of this form.

- B. **PROCESS INFORMATION.** Part B should be completed separately for each point of emission for each hazardous pollutant. [Sources subject to 61.22(1) may omit number 4. below.]

Dup 1-13 <sup>0 0 5</sup>  
14 T6 17 T8 T9 20 SCC 27 28 29 30 31  
NEDS X Ref LS SIP

1. **Pollutant Emitted** - Indicate the type of hazardous pollutant emitted by the process. Indicate "AB" for asbestos, "BE" for beryllium, or "HG" for mercury.

32	33		
Pollutant	34	Regulation	48
			49 EC

2. **Process Description** - Provide a brief description of each process (e.g., "hydrogen end box" in a mercury chlor-alkali plant, "grinding machine" in a beryllium machine shop). Use additional sheets if necessary.

50	Process Description	74	80
Dup 1-18	6 1	19 20	21
51		79	80
Dup 1-18	6 2	19 20	21
51		79	80

3. **Amount of Pollutant** - Indicate the average weight of the hazardous material named in Item 1 which enters the process in pounds per month (based on the previous twelve months of operation).

Dup 1-18	6 3	19 20	21	27	29	lbs./mo.	36	80
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4. **Control Devices**

- a. Indicate the type of pollution control devices, if any, used to reduce the emissions from the process (e.g., venturi scrubber, baghouse, wet cyclone) and the estimated percent of the pollutant which the device removes from the process gas stream.

Dup 1-18	6 4	19 20	21	PRIMARY CONTROL DEVICE:	43
45	Primary Device Name	64	66	70	Percent Removal Efficiency
			72	79	
80					

Dup 1-18		6 5	SECONDARY CONTROL DEVICES:		45
19	20	21			
47	Secondary Device Name		64	66	70
			Percent Removal Efficiency		
			% EFFIC.		80
			72	79	

## b. Asbestos Emission Control Devices Only

- i. If a baghouse is specified in Item 4a, give the following information:

- The air flow permeability in cubic feet per minute per square foot of fabric area.

Air flow permeability = \_\_\_\_\_ cfm/ft<sup>2</sup>

- The pressure drop in inches water gauge across the filter at which the baghouse is operated.

Operating pressure drop = \_\_\_\_\_ inches w.g.

- If the baghouse material contains synthetic fill yarn, check whether this material is / / spun / / or not spun.

- If the baghouse utilizes a felted fabric, give the minimum thickness in inches and the density in ounces per square yard.

Thickness = \_\_\_\_\_ inches      Density = \_\_\_\_\_ oz/yd<sup>2</sup>

- ii. If a wet collection device is specified in Item 4a, give the designed unit contacting energy in inches water gauge.

- Unit contacting energy = \_\_\_\_\_ inches w.g.

C. DISPOSAL OF ASBESTOS-CONTAINING WASTES. Part C should be completed separately for each asbestos-containing waste generation operation arising from sources subject to §61.22(a), (c), (e), and (h).

Dup 1-13		14	16	17	18	19	20	SCC	27	28	29	30	31
				0 0	5								
										NEOS X Ref		CS	SIP
A B	32	33	34	Regulation		48	49						
Pollutant							EC						

1. Waste Generation - Provide a brief description of each process that generates asbestos-containing waste (e.g. disposal of control device wastes).

50 \_\_\_\_\_ Process Description \_\_\_\_\_ 79 80

2. Asbestos Concentration - Indicate the average percentage asbestos content of these materials.

Dup 1-18 6 1 \_\_\_\_\_ ASBESTOS CONCENTRATION: \_\_\_\_\_ 43 45 48  
19 20 21

%  
50 80

3. Amount of Wastes - Indicate the average weight of asbestos-containing wastes disposed of, measured in kg/day.

Dup 1-18 6 2 \_\_\_\_\_ kg/day \_\_\_\_\_ 34 80  
19 20 21 27 29

4. Control Methods - Indicate the emission control methods used in all stages of waste disposal, from collection, processing, and packaging to transporting and deposition.

Dup 1-18 6 3 \_\_\_\_\_ Primary Control Method \_\_\_\_\_ 43  
19 20 21

45 \_\_\_\_\_ 79 80

Dup 1-18 6 4 \_\_\_\_\_ 50  
19 20 21

51 \_\_\_\_\_ 79 80

5. Waste Disposal - Indicate the type of disposal site (sanitary landfill, open, covered) or incineration site (municipal, private) where the waste is disposed of and who operates the site (company, private, municipal). State the name and location of the site (closest city or town, county, state).

Dup 1-18 6 5 \_\_\_\_\_ TYPE OF SITE: \_\_\_\_\_ 33 35 50  
19 20 21

51 \_\_\_\_\_ 79 80

D. WASTE DISPOSAL SITES. Part D should be completed separately for each asbestos waste disposal site subject to section 61.22(1).

1. Description - Provide a brief description of the site, including its size and configuration, and the distance to the closest city or town, closest residence, and closest primary road.

Dup 1-18 6 1 SITE DESCRIPTION 19 20 21 37 39 50

51 79 80

Dup 1-18 6 2 DISTANCE: TOWN: K M 19 20 21 29 30 34 36 40 42 43

RESIDENCE: K M ROAD: 45 54 56 60 62 63 65 69 71 75

K M 77 78 80

2. Inactivation - After the site is inactivated, indicate the method or methods used to comply with the standard and send a list of the actions that will be undertaken to maintain the inactivated site.

Dup 1-18	6 8			COMPLIANCE	
	19 20	21	METHOD/INACTIVE SITE:		52
54				79	80



## Environmental Protection Agency

Pt. 61, App. A

### II. WAIVER REQUESTS

A. *Waiver of Compliance.* Owners or operators of sources unable to operate in compliance with the National Emission Standards for Hazardous Air Pollutants prior to 90 days after the effective date of any standards or amendments which require the submission of such information may request a waiver of compliance from the Administrator of the U.S. Environmental Protection Agency for the time period necessary to install appropriate control devices or make modifications to achieve compliance. The Administrator may grant a waiver of compliance with the standard for a period not exceeding two years from the effective date of the hazardous pollutant standards, if he finds that such period is necessary for the installation of controls and that steps will be taken during the period of the waiver to assure that the health of persons will be protected from imminent endangerment.

The report information provided in Section I must accompany this application. Applications should be sent to the appropriate EPA regional office.

1. *Processes Involved*—Indicate the process or processes emitting hazardous pollutants to which emission controls are to be applied.

#### 2. Controls

a. Describe the proposed type of control device to be added or modification to be made to the process to reduce the emission of hazardous pollutants to an acceptable level. (Use additional sheets if necessary.)

b. Describe the measures that will be taken during the waiver period to assure that the health of persons will be protected from imminent endangerment. (Use additional sheets if necessary.)

3. *Increments of Progress*—Specify the dates by which the following increments of progress will be met.

Date by which contracts for emission control systems or process modifications will be awarded; or date by which orders will be issued for the purchase of the component parts to accomplish emission control or process modification.

Dup 1-16      0 1 7  
17 19 53 54 55 60 61 MO/DY/YR 66 80

Date of initiation of on-site construction or installation of emission control equipment or process change.

Dup 1-16      0 2 7  
17 19 53 54 55 60 61 MO/DY/YR 66 80

Date by which on-site construction or installation of emission control equipment or process modification is to be completed.

Dup 1-16      0 3 7  
17 19 53 54 55 60 61 MO/DY/YR 66 80

Date by which final compliance is to be achieved.

Dup 1-16      0 4 7  
17 19 53 54 55 60 61 MO/DY/YR 66 80

B. *Waiver of Emission Tests.* A waiver of emission testing may be granted to owners or operators of sources subject to emission testing if, in the judgment of the Administrator of the Environmental Protection Agency the emissions from the source comply with the appropriate standard or if the owners or operators of the source have requested a waiver of compliance or have been granted a waiver of compliance.

This application should accompany the report information provided in Section I.

1. *Reason*—State the reasons for requesting a waiver of emission testing. If the reason stated is that the emissions from the source are within the prescribed limits, documentation of this condition must be attached.

Date \_\_\_\_\_

Signature of the owner or operator ———  
(Sec. 114, of the Clean Air Act as amended (42 U.S.C. 7414))

[40 FR 48303, Oct. 14, 1975, as amended at 43 FR 8800, Mar. 3, 1978; 50 FR 46295, Sept. 9, 1985]

#### APPENDIX B TO PART 61—TEST METHODS

Method 101—Determination of particulate and gaseous mercury emissions from chlor-alkali plants—air streams

Method 101A—Determination of particulate and gaseous mercury emissions from sewage sludge incinerators

Method 102—Determination of particulate and gaseous mercury emissions from chlor-alkali plants—hydrogen streams

Method 103—Beryllium screening method

Method 104—Determination of beryllium emissions from stationary sources

Method 105—Determination of mercury in wastewater treatment plant sewage sludges

Method 106—Determination of vinyl chloride from stationary sources

Method 107—Determination of vinyl chloride content of inprocess wastewater samples, and vinyl chloride content of polyvinyl chloride resin, slurry, wet cake, and latex samples

Method 107A—Determination of vinyl chloride content of solvents, resin-solvent solution, polyvinyl chloride resin, resin slurry, wet resin, and latex samples

Method 108—Determination of particulate and gaseous arsenic emissions

Method 108A—Determination of arsenic content in ore samples from nonferrous smelters

Method 108B—Determination of arsenic content in ore samples from nonferrous smelters

Method 108C—Determination of arsenic content in ore samples from nonferrous smelters

Method 111—Determination of Polonium—210 emissions from stationary sources

#### METHOD 101—DETERMINATION OF PARTICULATE AND GASEOUS MERCURY EMISSIONS FROM CHLOR-ALKALI PLANTS—AIR STREAMS

##### 1. Applicability and Principle

1.1 Applicability. This method applies to the determination of particulate and gaseous mercury (Hg) emissions from chlor-alkali plants and other sources (as specified in the regulations), where the carrier-gas stream in the duct or stack is principally air.

1.2 Principle. Particulate and gaseous Hg emissions are withdrawn isokinetically from the source and collected in acidic iodine monochloride (ICl) solution. The Hg collected (in the mercuric form) is reduced to elemental Hg, which is then aerated from the

solution into an optical cell and measured by atomic absorption spectrophotometry.

##### 2. Range and Sensitivity

2.1 Range. After initial dilution, the range of this method is 0.5 to 120 µg Hg/ml. The upper limit can be extended by further dilution of the sample.

2.2 Sensitivity. The sensitivity of this method depends on the recorder/spectrophotometer combination selected.

##### 3. Interfering Agents

3.1 Sampling. SO<sub>2</sub> reduces ICl and causes premature depletion of the ICl solution.

3.2 Analysis. ICl concentrations greater than 10<sup>-4</sup> molar inhibit the reduction of the Hg (II) ion in the aeration cell. Condensation of water vapor on the optical cell windows causes a positive interference.

##### 4. Precision and Accuracy

The following estimates are based on collaborative tests, wherein 13 laboratories performed duplicate analyses on two Hg-containing samples from a chlor-alkali plant and on one laboratory-prepared sample of known Hg concentration. The concentration ranged from 2 to 65 µg Hg/ml.

4.1 Precision. The estimated within-laboratory and between-laboratory standard deviations are 1.6 and 1.8 µg Hg/ml, respectively.

4.2 Accuracy. The participating laboratories that analyzed a 64.3-µg Hg/ml (in 0.1 M ICl) standard obtained a mean of 63.7 µg Hg/ml.

##### 5. Apparatus

5.1 Sampling Train. A schematic of the sampling train is shown in Figure 101-1; it is similar to the Method 5 train (mention of Method 5 refers to part 60 of 40 CFR). The sampling train consists of the following components:

5.1.1 Probe Nozzle, Pitot Tube, Differential Pressure Gauge, Metering System, Barometer, and Gas Density Determination Equipment. Same as Method 5, Sections 2.1.1, 2.1.3, 2.1.4, 2.1.8, 2.1.9, and 2.1.10, respectively.

5.1.2 Probe Liner. Borosilicate or quartz glass tubing. The tester may use a heating system capable of maintaining a gas temperature of 120±14° C (248±25° F) at the probe exit during sampling to prevent water condensation.

NOTE: Do not use metal probe liners.

5.1.3 Impingers. Four Greenburg-Smith impingers connected in series with leak-free ground glass fittings or any similar leak-free noncontaminating fittings. For the first, third, and fourth impingers, the tester may use impingers that are modified by replacing the tip with a 13-mm-ID (0.5-in.) glass tube extending to 13 mm (0.5 in.) from the bottom of the flask.

5.1.4 Acid Trap. Mine Safety Appliances air line filter, Catalog number 81857, with